

What is claimed is:

1. A pipe liner bag everting nozzle comprising:
 a guide tube fixing end for fixing one end of a guide tube;
and
 a pipe liner bag fixing end for fixing a folded end of an
uneverted pipe liner bag passed through said guide tube,
 wherein said guide tube fixing end has a diameter smaller
than a diameter of said pipe liner bag fixing end.
2. A pipe liner bag everting nozzle according to claim 1,
further comprising a reducer interposed between said guide tube
fixing end and said pipe liner bag fixing end for coupling said guide
tube fixing end to said pipe liner bag fixing end.
3. A pipe liner bag everting nozzle according to claim 1 or
2, further comprising a drain port for communicating an interior of
said pipe liner bag everting nozzle with the outside, said drain port
having an internal opening, a flexible heat-resistant hose being
attached to said internal opening, said flexible heat-resistant hose
extending to the outside from said pipe liner bag fixing end.
4. A pipe liner bag everting nozzle comprising:
 a guide tube fixing nozzle for fixing one end of a guide
tube;
 a pipe liner bag fixing nozzle for fixing a folded end of
an uneverted pipe liner bag passed through said guide tube; and
 a closer plate for coupling said guide tube fixing nozzle

to said pipe liner bag fixing nozzle in an air tight structure,
wherein said guide tube fixing nozzle has a diameter
smaller than a diameter of said pipe liner bag fixing nozzle.

5. A pipe liner bag everting nozzle according to claim 4,
wherein said closer plate includes a compressed air supply port.

6. A pipe liner bag everting nozzle according to claim 4,
wherein said closer plate or said pipe liner bag fixing nozzle
includes a drain port.

7. A method of lining a pipe using a pipe liner bag everting
nozzle, said pipe liner bag everting nozzle comprising a guide tube
fixing end for fixing one end of a guide tube, and a pipe liner bag
fixing end for fixing a folded end of an uneverted pipe liner bag
passed through said guide tube, wherein said guide tube fixing end
has a diameter smaller than a diameter of said pipe liner bag fixing
end, said method comprising the steps of:

installing said pipe liner bag everting nozzle such that
said pipe liner bag fixing end opposes an opening of a pipe line to
be lined;

drawing a guide tube fixed to said guide tube fixing end
of said pipe liner bag everting nozzle substantially vertically to
the ground;

everting a pipe liner bag fixed to said pipe liner bag
fixing end with a fluid pressure into said pipe line; and

hardening a hardenable resin impregnated in said pipe
liner bag with said pipe liner bag being pressed onto an inner wall

of said pipe line.

8. A method of lining a pipe using a pipe liner bag everting nozzle, said pipe liner bag everting nozzle comprising a guide tube fixing nozzle for fixing one end of a guide tube, a pipe liner bag fixing nozzle for fixing a folded end of an uneverted pipe liner bag passed through said guide tube, and a closer plate for coupling said guide tube fixing nozzle to said pipe liner bag fixing nozzle in an air tight structure, wherein said guide tube fixing nozzle has a diameter smaller than a diameter of said pipe liner bag fixing nozzle, said method comprising the steps of:

installing said pipe liner bag everting nozzle such that said pipe liner bag fixing nozzle opposes an opening of a pipe line to be lined;

drawing a guide tube fixed to said guide tube fixing nozzle of said pipe liner bag everting nozzle substantially vertically to the ground;

everting a pipe liner bag fixed to said pipe liner bag fixing nozzle with a fluid pressure into said pipe line; and

hardening a hardenable resin impregnated in said pipe liner bag with said pipe liner bag being pressed onto an inner wall of said pipe line.